

5. Oligomers and polymers as claimed in claim 4, characterized in that the positionally isomeric diethyloctanediol is a diethyloctane-1,5-diol.

5 6. Oligomers and polymers as claimed in claim 5, characterized in that the positionally isomeric diethyloctanediol is a 2,4-diethyloctane-1,5-diol.

7. Oligomers and polymers as claimed in any of claims
10 1 to 6, characterized in that the resins in question are polyaddition resins and/or polycondensation resins.

8. Oligomers and polymers as claimed in claim 7, characterized in that the polyaddition resins and/or
15 polycondensation resins are polyethers, polyesters, polycarbonates, polyurethanes, polyureas, polyamides, polyimides or copolymers which contain ether, ester, carbonate, urethane, urea, amide and/or imide groups in the oligomer and/or polymer chains.

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9. Oligomers and polymers as claimed in claim 8, characterized in that the polyaddition resins and/or polycondensation resins are polyesters, polyurethanes, polyester-co-polyethers, polyester-co-polycarbonates,
25 polyester-co-polyurethanes, polyester-co-polyamides, polyester-co-polyureas or polyester-co-polyimides.

10. Oligomers and polymers as claimed in any of claims 1 to 9, characterized in that they are of linear and/or

branched and/or block, comb and/or random construction, have a core/shell structure and/or are in the form of crosslinked microparticles.

5 11. Oligomers and polymers as claimed in any of claims 1 to 10, characterized in that they contain

- functional groups which undergo crosslinking reactions with complementary functional groups ~~present in the oligomers and polymers themselves~~ and/or in separate compounds, and/or

15 - functional groups which on exposure to actinic radiation react with one another or with other groups.

12. Oligomers and polymers as claimed in any of claims 1 to 12, characterized in that they are grafted with olefinically unsaturated monomers.

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13. Use of the oligomers and polymers as claimed in any of claims 1 to 12 for preparing molding compounds, adhesives, and coating materials, especially paints.

25 14. Molding compounds, adhesives, and coating materials, characterized in that they comprise at least one oligomer and/or polymer as claimed in any of claims 1 to 12.

15. Use of the molding compounds, adhesives, and coating materials as claimed in claim 14 for producing moldings, films, fibers, adhesive films, and decorative and/or protective coatings, especially paint systems.

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16. Moldings, films, and fibers producible from molding compounds as claimed in claim 14.

17. Adhesive films producible from adhesives as
10 claimed in claim 14.

18. Coatings, especially paint systems, producible from coating materials, especially paints, as claimed in claim 14.

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19. Substrates which comprise at least one adhesive film as claimed in claim 17 and/or at least one coating, especially paint system, as claimed in claim
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20. Substrates as claimed in claim 19, characterized in that they are moldings, films, and fibers as claimed in claim 16, motor vehicle bodies, industrial components, including electrical components, coils, and
25 packaging, or furniture.

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